

Figure 1-A

T. reesei *egl6* nucleotide sequence (coding and non-coding)

CCA CGCGTCCGAGCA GGTGCTCTCTCC TCACTGCTTGC TCA TGAAGGTCTCTCGAGTCTTGCCCTTGCTGCGGGCCGCT
 CATCCCTGCCATGTCCTTTTCATGGAAGACGTCAAGCTCGCGCGGGCGCGGCTTCGTCCCGGCATCATCTTCCA
 TCCCAAGACAAAGGCGTATGACAGAAACAGATATTGGCGGCTGTATACGCCCTACAGACCGACGATCATGAGCCGC
 CGTCA CGGATGGATTGTGATATGCGGCTGGCAAACTGGGCGATCGACGCTTGCGCTTGATCCGACGACGATCA
 AAAGTGTATGCGCGAGTGGCATGTATACGAAACAGCTGGGATCGAGTAATGAGCCATCAITTCGCTGTACAGCGCG
 CGCAACGTGTCTCTCACCAACTTGCCTTCAAAGTCGGGGTAACATGCCAGGACCGGAGCGGAGACGCTGTGCTGT
 CGATCCGGCAACTCCAACTCATCTACTTTGGTGTCTCGCTCAGGAAACGGCTCTGGAATCTACGAGCGGCGGTGAC
 CTTTTCAGAGTCTCGTGTTCADGGCAACTGGGACGTACAATCCAGACCCGAGTGAATCCACGGCTACAACAGCGACAA
 GCAAGACTCATGTGGGTAGTTGCACTAACACAGAGCACGACCGGGGAGCCACGCTCTGTATCTTTTGGCAACGC
 TGATAACATCACTGTCTTCACTGTATGTAGCACGAATGCCGCTCCACGTGAGTGTCTGTACCGGGGACGACGAGGAAATA
 CTTTCTCACAAGGCGAACTGCAGCAGACAGAGAAGCCCTTGTACTGACCTATTCCGATGGCAAGGCCCGTATGATGG
 CACACTTGCTCAGTGTGAGGTACGACATTGCAAGGGGAACTTGGAAAGACATCAACCTGTCTCTGGATCAGATCTTATA
 CTTTGGCTTTGGCGCTTGGCCCTCGATTGCAAAAGCCAGGAACCCCTTGTGTGCTCTTTGAACTCTTGGTGGCCAGA
 TGCTCAGCTGTTTGGGTCCACCGACTCTGGGACACATGGAGCCCGACTTGGCGGTGGCGAGTATCCGACTGAGACCTTA
 TTACTACAGCATCTCAACTCCAAAGCACCGTGGATCAAGAACAACTTTATCGATGTGACGAGGAGTCAACCTCCGATGG
 TCTCATCAAGCGCCTCGGCTGGATGATTGAGTCTCTCGAATTGACCCACGACAGCAACCACTGGCTCTACGGCACCGG
 AATGACAATCTTTGGCGGCACGATCTCACCAACTGGGACACGCGCCACAATGTGTCAATCCAATCACTGGCAGACGGCAT
 CGAGGAATTTCTCGTCAGGACCTGGCTCTGACCCGCGAGCGAGCTATTGGCCGAGTGGGACGACGACCAACCGCTT
 CACCTTTGCCACGAGAAACGACCTCGGACATCGCCGACACGGTCTGGGCAACCGCCACATGGGCCACTTCGACGAGCGT
 CATCTACCGGGAACTCGGTCAAGAGCTGTCTCGCTCGCGTACGCTCGCAAGCAACCGCGGACGCAACAGGTGGCTCATCTGTCGGA
 CGCGCGGCGCAGTGGAGCATCGACTACGCGCGGACACGTCCTCATGAACGGCGGACGGTGGCCCTATTTCGGCCGACGGCGA
 CAGCATCTCTGTGTACACGCCCTCTGTCCGCGTGTAGCGCTCGCATGCTTCCAGGCGAGCTTTTGCTCCGCTCGAGCGCTGCC
 CGCGCGGCGCGTCACTCGCCTCGGACAGAAACACAGCGCTCTTACGCGGCTCCGGATCGACCTTTTACGTGACAGCA
 GGAACCGGACGAGCTTACGCGCGGCGCCAAAGCTGGGACGACGGGACGATCGGGATATCGCTGTCACTCCGACCAAC
 CGCGGGACAGTTGTATGTCTGACACGAGTGGGCATATTCCGCTCCAAGACTCTGGGACGACCTTTGGCCAGTCTCCAC
 CGCCTCGACCAACACCTACAGATCGCCCTGGGTGTGGGCTCAAGCTGGAACCTGTATGCTCTTCGGCACCGGCCC

108121.46692001

Figure 1-B

T. reesei *egl6* nucleotide sequence

GTCAGGGGCTGCCCTCTACGCCAGTGGAGACAGCGGCGCTCCTGGACGGACATCCAGGGCTCCAGGGCTTCGGCTCCAT
CGACAGCACCAAGTTCGCCGCGGCGGCGAGCACCCCGGGCAAGTCTACGTGGGCAACCAACGGCCGGGGCGTCTTTTACGC
TCAGGAAACCGTCGGCGGGCACGGGCGGACTTCCTCGTCCGACCAAGCAGAGCAGCAGTACCTCTTCCGCCAGCTC
GAGCACACCGCTGAGTCGAGCGTTGTATCCACGACCCGGGCTTCGACGGTGACTTCGTCGAGGACCAAGCTCGGCCGCCG
TCCACGGGGTCAGGGTCGCCGTCATTATGCTCAGTCGGGAGGGATTTGGTTGACCGGGGCCGACGAGTGTGTGGCGCC
GTATGCTGTGCCAGAGCAGAAATGATTATTACTACAGTGTGTGTGATGCTTGAACCTGCCAAGCTCACGAGGAGAGCTACAT
ACCCCTAGGCTCGCAGTAAAGACTCAAGCATCCGAAGAACCACTAGTAGAGATCCAGTCAGATAATTAATCCATTTTGT
TTGAATTAAATGATCTCTATTGAAAAA

Figure 2-A

Predicted *T. reesei* eg16 amino acid sequence

MKYSRVLLALV	LGAVIPAHAA	FSWKNVKLGG	GGGFVPGLIF	HPKTGKVAYA	RTDIGLYRL	NADDSWTAVT
10	20	30	40	50	60	70
ODGIADNAGWH	NWGIDAVAlD	PQDDQKYAA	VGMYTNSWDP	SNGAIIRSSD	RGATWSFTNL	PFVKVGNMFG
80	90	100	110	120	130	140
RGAGERLAVD	PANSNIIFYG	ARSGNGLWKS	TGGVTFSKV	SSFATGTYI	PDPSPSNGYN	SDKQGLMWVT
150	160	170	180	190	200	210
FEDSTSSTGG	ATSRIFVGTA	DNITASVYVS	TNAGSTWSAV	PGOPGKYEPH	KAKLOPAEKA	LYLTYSDBTG
220	230	240	250	260	270	280
RPYDGTLSGVW	RYDIAGGTWK	DITPVGSDL	YFEGGLGLD	LQKPGTLVA	SLNSWWPDAQ	LFRSTDSTTT
290	300	310	320	330	340	350
WSPWIWAWASY	PTETYYYSIS	TPKAPWIKNN	FIDVTSESPS	DGLIKRLGWM	IESLEIDPTD	SNHWLYXTGM
360	370	380	390	400	410	420
TIIFGGHDLTN	WDTRHNVISQ	SLADGIEEFS	VQDLASAPGG	SELLAAVGDD	NGFTFASRND	LGTSPQTIVA
430	440	450	460	470	480	490
EPTTWAITSV	DYAGNSVKSV	VRVGNTAGTQ	VAISSDGGAT	WSIDYAADTS	MNGGTVAVSA	DGDTILMSTA
500	510	520	530	540	550	560
SSSGVQRSQFO	GSFASVSSLP	AGAVIASDKK	TNSVFYAGSG	STFYVSKDTG	SSFTRGPCLKG	SAGTIRDIAA
570	580	590	600	610	620	630

108121-16692001

Figure 2-B

Predicted *T. reesei* eg16 amino acid sequence

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HPTTAGTLYV STDVGIPRST DSGTTFQVS TALNTYQIA LGVSGSNWN LYAFGTGPGS ARLYASGDSG
640      650      660      670      680      690      700
ASWTDIQSQ  GFGSIDSTKV AGSGTAGQV YVGTNGRGVF YAQGTVGGGT GGTSSSTKQS SSSTSSASS
710      720      730      740      750      760      770
TTLRSSVVST TRASTVTSSR TSSAAGPTGS GVAGHYAQCQ GIGWTGPTQC VAPVQCQKN DYYVQCV
780      790      800      810      820      830      837
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